



Defender

Revision Date: 05/01/2019

Issue Date: 05/01/2019

Safety Data Sheet

Version 1.0

SECTION 1: Identification

Product Identifier

Product form: Mixture

Substance name: Defender

Synonyms: n/a

Recommended Use Of The Product: Pest deterrent

Supplier's Details:

Southland Organics

189 Luke Road

Bogart, GA 30622

(800) 608-3755

Emergency telephone number:

(800) 608-3755

SECTION 2: Hazard Identification

Eyes:	contact with eyes will cause irritation and pain
Skin:	may cause mild irritation
Ingestion:	may cause irritation to digestive tract, may cause stomach pains
Inhalation:	inhaling vapors or product may cause upper respiratory tract irritation

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	% Composition
Soap /water - inert ingredient	n/a 40 CFR 152.25(f) list	-
Monolaurin - inert ingredient	CAS 27215-38-9	-
Oleic Acid - inert ingredient	CAS 112-80-1	-
Geraniol - active ingredient	CAS 106-24-1	3.5%
Cedarwood Oil - active ingredient	CAS 8000-29-9	3.0%
Lemongrass - active ingredient	CAS 8007-02-1	1.4%
Sodium Laurel Sulfate - active ingredient	CAS 151-21-3	0.5%
Castor Oil - active ingredient	CAS 8001-79-4	3.0%

SECTION 4: First aid measures

Description of first aid measures

First-aid measures after skin contact: Wash affected area with soap and water. Launder any affected clothing. If symptoms persist seek medical attention.

First-aid measures after eye contact: Flush eyes for 15 minutes with eyelids open. If still irritated seek medical attention.

First-aid measures after ingestion: Drink two glasses of water. Do not induce vomiting, seek medical attention.

Inhalation: Remove the person from affected area to an area of fresh air. If symptoms persist seek medical attention.

SECTION 5: Fire-fighting measures

Flammable	If yes, under what conditions? Closed containers can explode due to buildup of pressure when stored or exposed to extreme heat.	
Means of Extinction : Carbon dioxide, water, water fog, dry chemical, chemical foam		
Flashpoint: None	Upper Flammable Limit (% by volume) n/a	Lower Flammable Limit (% by volume) n/a
Autoignition Temperature (°C): Not determined	Explosion Data - Sensitivity to Impact: n/a	Explosion Data - Sensitivity to Static Discharge: n/a
Hazardous Combustion Products: n/a		
This is a non-flammable solution.		

SECTION 6: Accidental release measures

Leak and spill procedures: Confine spill, use personal protective equipment as required. Prevent further leakage and spills by removing products and flush with water. Dispose of cleaned up product properly.

SECTION 7: Handling and Storage

Handling Procedures and Equipment:

Handle with accordance of good industrial safety practices.

Storage Requirements:

Keep containers tightly closed. Store in a well-ventilated place.

SECTION 8: Exposure Controls/Personal Protection

Not applicable

Physical State	Liquid
Appearance	White liquid
Odor	Cedar Aroma
Solubility	100% in water

SECTION 9: Physical and Chemical Properties

SECTION 10: Stability and Reactivity

Chemical Stability: Yes

Incompatibility with other substances: No

SECTION 11: Toxicology Information

Effects of Acute Exposure: none

Effects of chronic exposure: none

Irritancy of Product

Skin sensitization: Avoid contact
Respiratory sensitization: Avoid breathing in
Carcinogenicity - IARC: none
Carcinogenicity - ACGIH: none
Reproductive toxicity: none
Teratogenicity: none
Embrototoxicity: none
Mutagenicity: none
Name of synergistic products/effects: n/a

SECTION 12: Ecological Information

Aquatic Toxicity: none known
No environmental impacts

SECTION 13: Disposal Considerations

Dispose of in accordance with local laws.
Dispose of in accordance with national regulations.

SECTION 14: Transport Information

This product is not DOT regulated.
Ship in an upright position.
NA number: Not applicable
NA proper shipping name: Not applicable
Transport Hazard Classes: Not applicable
Environmental Hazards: Not applicable
Bulk Transport: Not applicable

SECTION 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: Other Information

This is believed to be an all-natural organic product that is safe to handle.

All information contained in this SDS is believed to be accurate based on the information available at this time. No warranties, expressed or implied, are made.